

1 Supplemental Material.

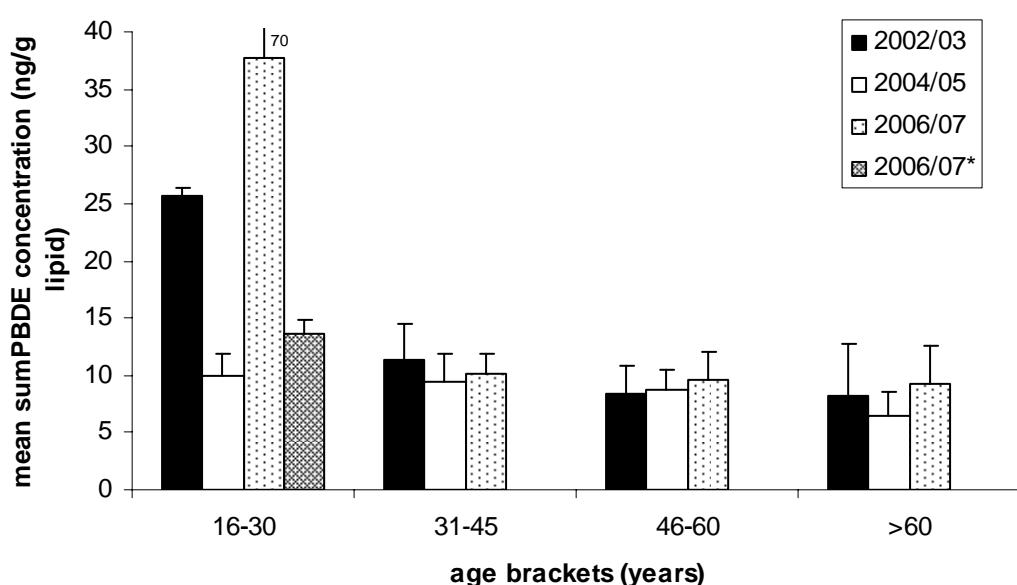
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3 **Details of inter-laboratory calibration by CDC and Eurofins/ERGO.**

4 The CDC laboratory participates in the Arctic Monitoring and Assessment Program
5 (AMAP; Institut national de santé publique du Québec, Québec, Canada) which is an
6 international laboratory inter-calibration program that occurs three times annually. While
7 Eurofins/ERGO is an ISO 1725 certified laboratory and has participated regularly in a
8 number of international laboratory inter-calibration tests such as: Norwegian Institute of
9 Public Health, Man Technology Environment Research Centre, Örebro University,
10 Sweden, C.A.R.T. Centre for Analysis of Residues in Traces - University of Liege,
11 Belgium, Quasimeme Project Office, FRS Marine Laboratory, Aberdeen, UK.

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*Excludes outliers.

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Supplemental Material Figure 1. Mean \pm standard deviation Σ PBDE concentration (ng/g lipid) by age group (years) and collection date.

27 **Supplemental Material Table 1. Mean concentrations of ΣPBDE and BDEs -47, -99,
28 -100 and -153 (ng/g lipid) by age group and gender, including outliers.**

Age (years)	Gender	sumPBDEs	BDE-47	BDE- 99	BDE- 100	BDE- 153
Overall	M & F	27	14	4.9	3.7	4.8
	M/F	26/28	13/14	4.6/5.2	3.6/3.8	5.4/4.3
0-0.5	M & F	14	7	3.8	1.5	1.8
	M/F	15/13	7.4/6.7	4.0/3.5	1.6/1.4	1.8/1.9
0.5-1	M & F	33	19	7.5	3.8	2.8
	M/F	32/34	18/20	7.5/7.6	3.7/3.9	2.4/3.2
1-1.5	M & F	37	21	7.9	5.1	3.4
	M/F	35/40	20/23	7.4/8.7	4.8/5.7	3.5/3.2
1.5-2	M & F	39	21	7.8	5.2	4.5
	M/F	35/42	18/24	6.7/8.7	4.9/5.6	5.0/4.0
2.1-2.5	M & F	36	20	7.1	5.2	4.3
	M/F	36/36	20/20	7.2/7.1	5.4/5.1	4.3/4.2
2.5-3	M & F	51	26	12	7.1	5.9
	M/F	34/67	16/36	8/16	5.1/9.2	5.1/6.7
3-3.5	M & F	48	25	8.9	7.6	6.9
	M/F	52/45	26/24	9.8/8.0	8.2/7.0	7.6/6.1
3.5-4	M & F	31	15	5.2	4.8	5.6
	M/F	33/28	16/15	5.3/5.0	5.5/4.1	6.6/4.7
4-6	M & F	41	20	7.1	6.8	7.5
	M/F	41/41	19/20	7.1/7.2	6.2/7.4	8.3/6.6
6-9	M & F	31	13	4.9	4.6	8.8
	M/F	29/34	11/15	3.9/6.0	3.9/5.3	10/7.4
9-12	M & F	21	9.4	3.1	2.7	6.2
	M/F	21/21	9.7/9.0	3.0/3.1	2.5/2.8	6.2/6.1
12-15	M & F	15	6.9	2.2	2	4.4
	M/F	18/14	7.7/6.3	2.3/2.1	2.1/1.8	5.6/3.5
16-30	M & F	36	20	5.8	4.5	6.5
	M/F	28/45	13/26	3.0/8.6	3.5/5.6	8.5/4.6
31-45	M & F	10	4.8	1.5	1.2	2.5
	M/F	11/9.2	5.0/4.6	1.6/1.4	1.3/1.2	2.8/2.2
46-60	M & F	9.5	5.1	1.3	1.2	1.9
	M/F	9.3/10	4.8/5.5	1.1/1.5	1.2/1.3	2.3/1.5
>60	M & F	8.7	3.9	1.4	1.1	2.3
	M/F	11/6.3	5.2/2.7	1.8/1.0	1.3/0.8	2.9/1.8
> 16 all	M & F	16	8.4	2.5	2.0	3.3
	M/F	15/17	7.0/9.8	1.9/3.1	1.8/2.2	4.1/2.5
cord blood		24	12	7.1	2.5	2.6

29 ***M/F = males/females; M&F = males and females combined.**